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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/773,935 02/02/2001		Jae Sung Kim	YHK-062	7194	
34610	7590 07/12/2006		EXAMINER		
FLESHNER & KIM, LLP			SAID, MAI	SAID, MANSOUR M	
P.O. BOX 22 CHANTILLY	1200 ′. VA 20153		ART UNIT	PAPER NUMBER	
	,		2629	2629	

DATE MAILED: 07/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Supplemental Notice of Allowability

Application No.	Applicant(s)	Applicant(s)	
09/773,935	KIM ET AL.		
Examiner	Art Unit		
MANSOUR M. SAID	2629		

•	MANSOUR M. SAID	2629	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	ears on the cover sheet with the co (OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	orrespondence addro olication. If not include will be mailed in due	ed course. <b>THIS</b>
of the Office or upon petition by the applicant. See 37 CFR 1.313			
1. This communication is responsive to <u>5/15/06</u> .			
2. ☑ The allowed claim(s) is/are <u>1-23</u> .			
<ol> <li>Acknowledgment is made of a claim for foreign priority un</li> <li>a)    ☐ All b) ☐ Some* c) ☐ None of the:</li> </ol>	nder 35 U.S.C. § 119(a)-(d) or (f).		
<ol> <li>Certified copies of the priority documents have</li> </ol>	been received.		
<ol><li>Certified copies of the priority documents have</li></ol>	been received in Application No	·	
<ol> <li>Copies of the certified copies of the priority doc International Bureau (PCT Rule 17.2(a)).</li> </ol>	cuments have been received in this	national stage applica	tion from the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the red	quirements
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF
5.  CORRECTED DRAWINGS ( as "replacement sheets") mus	t be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review ( PTO-	948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on the drawin he header according to 37 CFR 1.121(c	igs in the front (not the i).	back) of
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I</li> </ol>	sit of BIOLOGICAL MATERIAL n FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. N AL MATERIAL.	Note the
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Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal P	atant Application (PT)	D 452)
2. ☐ Notice of Praftperson's Patent Drawing Review (PTO-948)	6. ☐ Notice of Miormary		<i>J</i> -102)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Dat	e <u>1/19/06</u> .	
Paper No./Mail Date			
<ol> <li>Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ol>	<ul><li>8.</li></ul>	nt of Reasons for Allo	wance
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RICHARD HØERPE SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2600

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#### **DETAILED ACTION**

## SUPPLEMENTAL EXAMINER'S AMENDMENT

- 1. An extension of time under 37 CFR 1.136(a) is required in order to make an examiner's amendment, which places this application in condition for allowance. During a telephone conversation conducted With Mr. Kim, Daniel Y.J., on January 19, 2006 requested an extension of time for one MONTH (S) and authorized the Director to charge Deposit Account No. 16-0607 the required fee of \$120 for this extension and authorized the following examiner's amendment. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- 2. The application has been amended as follows.

#### IN THE CLAIMS

In claim 1, line 5, after "discharge cells" please insert –; wherein a scanning pulse is applied to the trigger electrodes during the address period; a first sustaining pulse is applied to the trigger electrodes during the sustaining period; and a second sustaining pulse is applied to the sustaining electrodes in such a manner to be alternate with the first sustaining pulse applied to the trigger electrodes--.

In claim 8, line 12, after "first sustaining pulse" please insert –applied to the trigger electrodes--.

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In claim 22, line 5, after "discharge cells" please insert --; wherein a scanning pulse is applied to the trigger electrodes during the address period; a first sustaining pulse is applied to the trigger electrodes during the sustaining period; and a second sustaining pulse is applied to the sustaining electrodes in such a manner to be alternate with the first sustaining pulse applied to the trigger electrodes--.

## Allowable Subject Matter

## 3. Claims 1-20 are allowed.

The following is an examiner's statement of reasons for allowance: Claims 1-20 are allowed since certain key features of the claimed invention are not taught or fairly suggested by prior art. In claims 1 and 22, "wherein a scanning pulse is applied to the trigger electrodes during the address period; a first sustaining pulse is applied to the trigger electrodes during the sustaining period; and a second sustaining pulse is applied to the sustaining electrodes in such a manner to be alternate with the first sustaining pulse applied to the trigger electrodes". In claim 8, "applying a scanning pulse to the trigger electrodes during the address period; applying a first sustaining pulse to the trigger electrodes during the sustaining period; and applying a second sustaining pulse to the sustaining electrodes in such a manner to be alternate with the first sustaining pulse applied to the trigger electrodes". In claim 10, "a first sub-field for applying a scanning voltage pulse to odd-numbered trigger electrodes during the address period; and a second sub-field for applying a scanning voltage pulse to even-numbered trigger electrodes during the address period". In claim 16, "a first sub-field for applying a scanning

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voltage pulse to even-numbered trigger electrodes during the address period; and a second sub-field for applying a scanning voltage pulse to odd-numbered trigger electrodes during the address period". The closest prior art Ray et al. (6,504,519 B1) teaches a plasma display includes a sustaining electrodes group including at least three electrodes; and a sustaining electrode driver for applying the same polarity of voltage signals to side electrodes positioned at the outermost portions of each side of the center electrode, and Kim et al. (5,747,939) teaches generating auxiliary discharge by forming the trigger electrode and also auxiliary discharge is generated by having the protruding branch electrodes of the trigger electrode extended and arranged to the inside of each discharge cell, however, singularly or in combination with other prior art, fail to anticipate or render the above underlined limitations obvious.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MANSOUR M. SAID whose telephone number is (571) 272-7679. The examiner can normally be reached on MF (8:30-6:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BIPIN SHALWALA can be reached on (571) 272-7681. The fax phone

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number for the organization where this application or proceeding is assigned is (571) 272-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mansour M. Said

6/09/06

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